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University of Southern California Bulletin

Volume XVI.

JANUARY, 1922

No. 11



Graduate School
of Arts and Sciences
1921 - 1922

Published Monthly by the University
Entered as Second Class Matter
under Act of Congress,
August 24, 1912
Los Angeles, California.

University of Southern California

Bulletin

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Graduate School of Arts and Sciences

1921-1922

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Los Angeles, California

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Graduate School of Arts and Science

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CALENDAR, 1922

January 3.....	Work resumed after Christmas recess
January 23 to 28.....	Mid-year examinations
Jan. 30 to Feb. 1.....	Registration for second semester
February 1.....	Day of Prayer for Colleges
February 2.....	Instruction begins
March 27 to April 1.....	Spring recess
May 30.....	Memorial Day recess
June 7 to 13.....	Final examinations
June 15	Commencement Day
July 1.....	Summer Session opens
August 12.....	Summer Session closes
September 18 to 20.....	Registration for first semester
September 21.....	Instruction begins
Nov. 30 to Dec. 2.....	Thanksgiving recess
December 21.....	Christmas recess begins

GENERAL STATEMENT**The Colleges**

The University of Southern California was founded in 1879 and was formally opened for students in October, 1880.

It includes the following colleges, each of which has a distinct faculty of instruction:

THE COLLEGE OF LIBERAL ARTS

Thirty-sixth Street and University Avenue.

THE COLLEGE OF COMMERCE AND BUSINESS ADMINISTRATION

Thirty-fifth Street and University Avenue,
Realty Board Building, 631 South Spring Street.

THE COLLEGE OF DENTISTRY

Clinic Building, Sixteenth and Los Angeles Streets.
Science and Technical Building, Thirty-seventh Drive and
Exposition Boulevard.

THE COLLEGE OF LAW

Tajo Building, First Street and Broadway.

THE COLLEGE OF MUSIC

3201 South Figueroa Street

THE COLLEGE OF ORATORY

Thirty-fifth Street and University Avenue.

THE COLLEGE OF PHARMACY

Thirty-fifth Place and University Avenue.

THE COLLEGE OF THEOLOGY

Thirty-fifth Place and University Avenue.

THE MARINE BIOLOGICAL STATION**THE UNIVERSITY HIGH SCHOOL**

Thirty-fifth Street and University Avenue.

Note.—Information concerning any college or department of the University, with regular bulletins containing the courses of study, etc., will be sent to any address upon application made to the Registrar.

GOVERNMENT

The government of the University of Southern California is committed to a Board of Trustees. This Board has the power to elect professors and other officers of instruction, to confer degrees, to manage the property of the University Corporation, and to determine the general policy of the institution.

The President has charge of the educational administration of the University and is chairman of the University Council. The principal administrative officers, other than the President, are the Deans of the respective schools and colleges, who have immediate charge of the work of the several faculties.

THE BOARD OF TRUSTEES

Term Expires in 1922

Wesley W. Beckett, M. D.	Pacific Mutual Bldg.
George Finley Bovard, A.M., D.D., LL.D.	Hermosa Beach
William M. Bowen, LL. B.	Washington Bldg.
L. E. Behymer	Auditorium Bldg.
Joseph E. Carr	Chapman Bldg.
Prescot F. Cogswell	El Monte, Cal.
Alfred Inwood, D.D.	Pomona, Cal.
Albert J. Wallace, LL.D.	Union Oil Bldg.
Byron H. Wilson, A.B., D.D.	Wright-Callendar Bldg.
W. L. Y. Davis, A.B., D.D.	Pasadena, Cal.

Term Expires in 1923

Merle N. Smith, D.D.	Pasadena, Cal.
George I. Cochran, A.M., LL. D.	Pacific Mutual Bldg.
William F. Cronemiller	3956 Ingraham St.
John B. Green, A.B., D.D.	905 Wright-Callendar Bldg.
Frances M. Larkin, Ph.D., D.D.	San Francisco, Cal.
C. J. Walker	Long Beach, Cal.
Don Porter	Pasadena, Cal.
A. E. Pomeroy, A.M.	700 Grant Bldg.
Frank G. H. Stevens, A.B., D.D.	Pasadena, Cal.
Arthur Chapman, A. B.	Chapman Bldg.

Term Expires in 1924

E. L. Doheney, Jr., A.B.	9 Chester Place
W. P. Watts	Covina, Cal.
Ezra A. Healy, A.M., S.T.D.	841 W. 36th St.
C. I. D. Moore	Pacific Mutual Bldg.
Bishop Adna Wright Leonard, LL.D.	San Francisco, Cal.
S. P. Mulford	615 Van Nuys Bldg.
William D. Stephens, LL. D.	Sacramento, Cal.
Francis Q. Story	Alhambra, Cal.
Ernest P. Clark	Riverside, Cal.
Harry G. Philp	Broadway Department Store

Officers of the Board

Bishop Adna Wright Leonard.....	President
J. E. Carr.....	First Vice-President
W. F. Cronemiller	Second Vice-President
Albert J. Wallace.....	Third Vice-President
William M. Bowen.....	Secretary
George I. Cochran.....	Treasurer and Financial Agent

FACULTY

Officers of Administration

- RUFUS BERNHARD VON KLEINSMID** - - - President
A.B., Northwestern University, 1905; A.M., 1906; Sc.D., University of Arizona, 1914; J.D., National University of Mexico, 1919. Principal, Public Schools, Shabbona, Ill., 1897-99; Superintendent of Public Schools, Paw Paw, Ill., 1899-1904; Instructor, Northwestern University Academy, 1904-05; Professor of Education and Principal of Academy of De Pauw University, 1905-09; Professor of Education and Psychology, DePauw University, 1909-14; President, University of Arizona, 1914-21; President, University of Southern California, since 1921.
- GEORGE FINLEY BOVARD** - - - President Emeritus
A.B., University of Southern California, 1884; A.M., 1887; D.D., Willamette University, 1895; LL.D., Syracuse University, 1910. Ordained Methodist Episcopal Ministry, 1883; Pastor, Orange California, 1884-1887; Presiding Elder, 1887-1890; Superintendent, Arizona Missions, 1890-97; Presiding Elder, Los Angeles District, 1897-1903. President, University of Southern California, 1903-21.
- ROCKWELL DENNIS HUNT**, Dean of the Graduate School and Director of the College of Commerce.
Ph.B., Napa College (University of the Pacific), 1890; A.M., 1892; Graduate California School of Elocution and Oratory, 1892; Ph.D., Johns Hopkins University, 1895. Professor of History, Napa College, 1891-93; Professor of History and Political Science, University of the Pacific, 1895-1902; Lecturer in History, Stanford University, 1898; Professor of History, Pacific Grove Summer School, 1900; Principal, San José High School, 1902-08; Professor of Economics and Sociology, University of Southern California, 1908-12; Professor of Economics and Head of the Department since 1912; Professor of Economics, University of California, Summer Session, 1910; Dean of Graduate School and Director of College of Commerce, University of Southern California, since 1920.
- JOHN HAROLD MONTGOMERY**, Registrar of the University and Professor of Religious Education.
B.S., University of Michigan, 1897; M.S., 1898; E.E., 1907. Assistant Professor of Electrical Engineering, University of Southern California, 1912-13; Professor, 1913-15; Registrar and Professor of Religious Education, since 1915.
- HERBERT DOUGLAS AUSTIN**, Professor of Romance Languages and Literature.
A.B., Princeton University, 1900; A.M., 1901; Ph.D., Johns Hopkins University, 1911. Classical Fellow, Princeton University, 1900-01. Instructor in Latin and Italian, Princeton University, 1901-02; in Italian and French, 1903-06; Instructor in Italian and French, Amherst College, 1908-09; Instructor in French, Johns Hopkins University, 1910-11; Instructor in Italian and French, University of Michigan, 1911-12, 1913-17, 1918-19; Assistant Professor of Romance Languages, University of Michigan, 1919-20; Associate Professor of Romance Languages and Literatures and Acting Head of French Department, University of Southern California, 1920-21; Professor and Head of Department of Italian since 1921.

GILBERT ELLIS BAILEY - - - Professor of Geology A.B., University of Chicago, 1872; A.M., University of Chicago, 1876; Ph.D., Franklin (Ind.), College, 1881. Professor of Chemistry, University of Nebraska, 1874-79; Professor of Geology, Franklin College, 1880; Professor of Chemistry, Central Grammar (Normal) Brooklyn, N. Y., 1881; Geologist of Wyoming, 1883-87; Professor of Metallurgy, State School of Mines, South Dakota, 1888-89; exploring, lecturing under Slayton Lyceum, 1890-1900; field assistant to California State Mining Bureau, 1900-1901; Death Valley exploration, 1901-02-03; Professor of Geology, University of Southern California, since 1909.

GEORGE HERBERT BETTS - Professor of Religious Education A.B., Cornell College, 1899; Ph. M., University of Chicago, 1905; Ph.D., Columbia University, 1909. Professor of Psychology, Cornell College, 1902-18; Professor of Religious Education, Boston University, 1918-19; Professor of Religious Education, Northwestern University, 1919-21; Professor of Religious Education, University of Southern California, since 1921.

ANTHONY F. BLANKS - - Professor of Public Speaking A.B., Vanderbilt University, 1905; A.M., 1906; A.M., Ohio Wesleyan University, 1913. Instructor, Ohio Wesleyan University, 1911-13; Assistant Professor of Public Speaking, University of California, 1913, Summer Session; Head of Department of Public Speaking, Otterbein University, 1913-14; Associate Professor, English and Public Speaking, Colgate University, 1914-17; Head of Department of English Literature, Aoyama Gakkin, Tokyo, 1917-18; Extension Division, University of California, 1919; Professor of Public Speaking, University of Southern California, since 1919.

EMORY STEPHEN BOGARDUS - Professor of Sociology A.B., Northwestern University, 1908; A.M., 1909; Ph.D., University of Chicago, 1911. Fellow, Northwestern University Settlement, Chicago, 1908-09; fellow in Sociology, University of Chicago, 1909-11; Assistant Professor, Sociology and Economics, University of Southern California, 1911-13; Associate Professor, 1913-15; Professor of Sociology and head of department since 1915.

MARGARET GRAHAM BORTHWICK - Professor of German A.B., University of Southern California, 1907; A.M., University of Wisconsin, 1917. Instructor in French and German, University of Southern California, 1901-06; Professor of German, 1907-18; Professor of German and Assistant Professor of French, since 1918.

RUTH WENTWORTH BROWN, Professor of the Latin Language and Literature.

A.B., University of Southern California, 1903; A.B., Leland Stanford Junior University, 1904; A.M., 1912. Instructor in Latin and German, Alhambra High School, 1904-05; Student in Universities of Berlin and Jena, 1905-06; Assistant Professor of Latin and German, University of Southern California, 1906-10; Associate Professor, 1910-12; Professor of Latin since 1912.

JAMES MAIN DIXON, Director of Oriental Studies and Professor of Comparative Literature.

M.A., St. Andrews University, 1879; F.R.S.E., Edinburgh, 1886; L.H.D., Dickinson, 1908. Assistant in Philosophy, St. Andrews, 1879; Professor of English, Imperial University of Japan, Tokyo, 1880-92; Professor of English, Washington University, 1892-1901; President of Columbia College, Oregon, 1903-04; Lecturer, University of California, Summer Session, 1905; Professor of English Literature, University of Southern California, 1901-11; Director of Oriental Studies and Professor of Comparative Literature, since 1911.

CLAUDE C. DOUGLAS, Professor of New Testament Greek A.B., Western Maryland College, 1899; B.D., Westminster Theological Seminary, 1901; A.M., Western Maryland College, 1901. Professor of Greek New Testament and Biblical Theology, Westminster Theological Seminary, 1903-13; Professor of New Testament Greek, University of Southern California since 1916.

RALPH TYLER FLEWELLING - Professor of Philosophy A.B., Alma (Mich.) College, 1895; S.T.B., Boston University School of Theology, 1902; Ph.D., Boston University, 1909; Sorbonne, 1918; Head of Department of Philosophy, A. E. F. University, Beaune, France, 1918; Professor and Head of Department of Philosophy, University of Southern California, since 1917.

ALLISON GAW - - - - Professor of English B.S., University of Pennsylvania, 1900; A. M., 1906; Ph.D., 1907. Harrison Scholar in English, University of Pennsylvania, 1900-01; Professor of English, Temple College, Philadelphia, 1901-06; Harrison Fellow in English, University of Pennsylvania, 1906-08; Assistant Professor of English, State College of Washington, 1908-11; Professor of English, University of Southern California, 1911-14; Professor and Head of Department of English, since 1914.

CLARENCE V. GILLILAND - - - Professor of History A.B., Cornell College, 1900; A.M., 1904; S.T.B., Garrett Biblical Institute, 1907; D.D., Dakota Wesleyan University, 1911; A.M., University of Chicago, 1920. Professor of English Bible, Dakota Wesleyan University, 1905-11; President of Carleton College, Framington, Missouri, 1911-13; Professor of History, Dakota Wesleyan University, 1913-19; Professor and Head of Department of History, University of Southern California, since 1919.

JOHN GODFREY HILL, Professor of Religious Education and English Bible. A.B., Cornell College, 1900; A.M., 1903; D.D., 1917; S.T.B., Boston University, 1905; Ph.D., 1914; Professor and Head of Department of Religion, University of Southern California, since 1907.

WILLIAM RALPH LA PORTE, Professor of Physical Education A.B., University of Southern California, 1913; A.M., 1915; Director of Physical Education, Page Military Academy, 1910-13; Director of Los Angeles Municipal Playground, 1914; Director Military Tactics, University of Southern California, 1917-18; Director, University of Southern California Summer Schools of Physical Education, 1915-21; Professor and Director of the Department of Physical Education, University of Southern California, since 1913.

CHARLES W. LAWRENCE - Professor of Civil Engineering B.S., in C.E., Pennsylvania State College, 1897; C.E., Pennsylvania State College, 1904. Instructor of Civil Engineering, Pennsylvania State College, 1897-99; Practicing structural engineer, 1899-1904; Assistant Professor of Structural Engineering, Pennsylvania State College, 1904-06; Professor of Civil Engineering, James Millikin University, 1906-09; Professor and Head of Department of Civil Engineering, University of Southern California, since 1909.

ANDREW C. LIFE - - - - Professor of Botany A.B., Indiana University, 1896; A.M., 1897. Instructor in Science, Greensburg, Indiana, High School, 1898-1900; Instructor in Science, Hiawatha (Kans.) Academy, 1903-05; Instructor in Botany, Washington University, 1905-08; Studied at Wood's Hole, Mass., summers of 1905 and 1906; Assistant Professor of Botany, University of Southern California, 1908-10; Associate Professor of Botany, University of Southern California, 1910-15; Professor of Botany since 1915.

LAWRENCE T. LOWREY - - - Professor of History
B.S., Mississippi College, 1909; A.M., 1913; A.M., Columbia
University, 1914; Ph. D., 1918. Principal, Fair River (Miss.)
High School, 1909-11; Instructor and Assistant Professor of
History, Smith College, 1916-19; Associate Professor of History,
University of Southern California, 1919-20; Professor since 1920.

HUGH S. LOWTHER, Acting Professor of the French Language
and Literature.

A.B., Syracuse University, 1899; Ph.D., University of Penn-
sylvania, 1904. Professor of Latin and Greek, Genesee Wes-
leyan Seminary, 1899-1901; Instructor in French, Wilmington
(Del.) Friends' School, 1901-02; Instructor in Romance Lan-
guages, College of the City of New York, 1904-20; Head of De-
partment of Modern Languages, New York Evening High
School, 1911-18; Associate Professor of French, University of
Southern California, 1920-21; Professor and Acting Head of
Department of French since 1921.

ROY MALCOM* - - - Professor of Political Science
A.B., University of Southern California, 1906; A.M., Harvard
University, 1909; Ph. D., Boston University, 1910. Assistant
Professor of History, University of Southern California, 1910-11;
Professor of History and Political Science, 1911-15; Professor
and Head of the Department of Political Science since 1915.

OLIVER JONES MARSTON - - - Professor of Economics
B. Acct., Greer College, 1892; B. Ped., 1894; B.S., 1896; A.B.,
1898; A.M., 1899. Instructor, Ripon College, 1902-03; Professor,
1903-13; Associate Professor, University of Southern California,
1913-18; Professor of Economics since 1918.

ARTHUR W. NYE - - - Professor of Physics
B.S., Case School of Applied Science, 1904; M.E., 1907. Me-
chanical Engineer, 1904-07; Instructor in Physics, Summer
Session, University of California, 1917. Physicist, Ordnance
Department, U. S. A., 1918-19; Professor and Head of the
Department of Physics, University of Southern California,
since 1909.

LAWRENCE MELVILLE RIDDLE*, Professor of the French
Language and Literature.

A.B., Johns Hopkins University, 1908; A.M., 1911. Instructor
in French, Allegheny College, 1911-13; Secretary of the Alliance
Francaise, 1916; Officier d'Academie, 1919; Professor and Head
of the Department of French Language and Literature, Uni-
versity of Southern California, since 1913.

SAMUEL RITTENHOUSE - - - Professor of Zoology
A.B., Ursinus College, 1901; Ph.D., Johns Hopkins University,
1905. Instructor in Biology, Olivet College, 1905-06; Professor
of Biology, 1906-14; Associate Professor of Zoology, University
of Southern California, 1914-16; Professor since 1916.

LESTER BURTON ROGERS, Dean of the School of Education
and Professor of Education.

B.S., Moore's Hill (Indiana) College, 1899; M.A., Teachers'
College, Columbia University, 1907; Research Scholar, 1910-11;
Ph.D., 1915. Teacher in Public Schools of Indiana, 1892-1902;
Head of Department of Physics, High School of Spokane, Wash-
ington, 1903-06; Head of Department of Education and Psy-
chology, Tri-State College, Angola, Indiana, 1907-10; Professor
of Secondary Education, Summer Session, Indiana University,
1911; Head of Department of Education, Lawrence College,
Appleton, Wisconsin, 1911-19; Lecturer in Education, University
of Southern California, 1919-20; Director of Summer Session,
University of Southern California, 1921; Dean of School of Edu-
cation and Professor since 1920.

* On leave, 1921.

- ROY EDWIN SCHULZ** - - - Professor of Spanish A.B., Leland Stanford Junior University, 1902; A.M., University of Southern California, 1920. Professor of Latin and head of Department, University of Southern California, 1903-14; Professor of Spanish, 1914; Professor of Spanish, University of California Summer Sessions, 1915, 1917, 1918. Professor and Head of the Department of Spanish, University of Southern California, since 1919.
- FELIPE MORALES DE SETIEN** - - Professor of Spanish A.B., Licenciado en Filosofay Letras, 1904; University of Madrid, 1913; Student in Spanish Philology, Centre de Estudios Historicos, Madrid, 1915-17. Instructor in Romanic Languages, Leland Stanford Junior University, 1917-19; Lecturer in Spanish, Summer Session, University of Southern California, 1918, 1919; Assistant Professor of Romanic Languages, Stanford University, Summer 1920; Professor of Spanish, University of Southern California, since 1919.
- LAIRD J. STABLER**, Dean of the College of Pharmacy and Professor of Industrial and Engineering Chemistry. Ph.C., University of Michigan, 1885; B. S., Purdue University, 1890; M.S., 1892; Sc.D., University of Southern California, 1898. Professor of Chemistry, Southwest Kansas College, 1892-95; Professor of Industrial and Engineering Chemistry, University of Southern California, since 1895; Dean of College of Pharmacy since 1910.
- WILLIAM H. TEETER** - Professor of Religious Education Ph.B., Midland University; S.T.B., Garrett Biblical Institute, 1903; A.M., Chicago Law School, 1916; Ph.D., 1918. Instructor of Systematic Theology and Sociology, Philippine Islands, 1904-08; President, Union Theological Seminary, Manila, P. I., 1908-09; Research work in Europe, 1910; President, Union Theological Seminary, Santiago, Chile, and Professor of Systematic Theology and Sociology, 1914-17; Survey Secretary for Board of Foreign Missions of Methodist Episcopal Church for Latin-America, 1917-19; Special lecturer on International Problems and Latin American conditions at Chicago Law School, 1917-20; Professor of Religious Education, Division of Latin America, University of Southern California, since 1920.
- JOHN WELHOFF TODD** - - Professor of Psychology A.B., Indiana University, 1905; A.M., 1910; Ph. D., Columbia University, 1912. Assistant in Experimental Psychology, Indiana University, 1909-10; Columbia University, 1910-12; Assistant and Associate Professor of Psychology, University of North Dakota, 1913-20. Acting Professor of Psychology and Director of the Psychological Laboratory and Clinic, Indiana University, 1915-16; Professor and Head of the Department of Psychology, University of Southern California, since 1920.
- WILFRED C. TWISS** - - Professor of Botany A.B., University of Southern California, 1895; A.M., University of California, 1910; Ph.D., Columbia University, 1919. Instructor, University of Utah, 1911; Assistant Professor of Botany, 1912; Associate Professor, 1915; Professor of Botany, University of Southern California, since 1919.
- ALBERT B. ULREY** - - Professor of Biology Indiana State Normal School, 1885; A.B., Indiana University, 1892; A.M., 1894; Studied at Marine Biological Station, Wood's Hole, Mass., Summer 1892, and at Marine Biological Stations abroad, Summer, 1900; Graduate of Illinois College of Ophthalmology, Chicago, 1901. Instructor in Zoology, Indiana University, 1892-95; Professor of Biology, Manchester College, Indiana, 1895-1900; Professor of Biology, Warsaw Summer School, Indiana, 1895; Instructor in Embryology, Biological Station, Indiana University, Summers 1896 and 1897; Professor and Head of the Department of Biology, University of Southern California, since 1901.

* On leave, 1921-22.

- LOUIS WANN** - - - Professor of English
A.B., Wabash College, 1908; A.M., Columbia University, 1912; Ph.D., University of Wisconsin, 1919. Instructor in English, Robert College, Constantinople, 1908-11; University Scholar in English, Columbia University, 1911-12; Assistant Professor of English, Heidelberg University, 1912-14; Instructor in English, University of Wisconsin, 1914-18; Head of Department of English, Lawrence College, 1918-19; Professor of English, University of Southern California, since 1919.
- LE ROY S. WEATHERBY** - - - Professor of Chemistry
A.B., University of Kansas, 1906; A.M., 1908; Ph.D., University of Chicago, 1911. Instructor in Physics and Chemistry, Baker University, 1906-08; Assistant Professor of Chemistry, Oklahoma Agricultural and Mechanical College, 1908-09; Fellow and Instructor in Chemistry, University of Chicago, 1909-11; Assistant Professor of Chemistry, University of Southern California, 1911-13; Professor and Head of the Department since 1913.
- HUGH C. WILLET** - - - Professor of Mathematics
A.B., University of Southern California, 1907; A.M., 1911. Instructor in Latin and Mathematics, University of Southern California, 1907-08; Assistant Professor, 1908-10; Associate Professor of Mathematics, 1910-21; Professor of University of Southern California High School, 1919-20; Professor and Head of the Department of Mathematics, since 1921.
- J. FAY WILSON**, Professor of Electrical and Mechanical Engineering.
B.S., University of Kansas, 1909; Electrical and Mechanical Engineer, U. S. Steel Corporation, 1909-11; Assistant Professor of Electrical Engineering, University of Michigan, 1911-16; Professor of Electrical Engineering, Queens University, 1916-17; Professor and Head of the Department of Electrical and Mechanical Engineering, University of Southern California since 1917.
- ELIZABETH YODER**, Dean of the College of Oratory and Professor of Dramatic Art and Expression.
Diploma, School of Speech, Northwestern University, 1902; Post Graduate Diploma, 1906. Instructor, Goshen College, 1902-05; Associate Professor of Public Speaking and Literary Interpretation, Cornell College, 1906-08; Associate Professor, College of Oratory, University of Southern California, 1908-18; Dean of College of Oratory and Professor, since 1918.
- GERTRUDE I. YORK** - - - Professor of Home Economics
A.B., University of Illinois, 1911; A.M., Columbia University, 1916. Instructor in Home Economics, Agnes Scott College, 1916-17; Assistant Dean of the School of Home Economics, Florida State College for Women, 1917-19; Professor of Home Economics, University of Southern California, since 1919.
- CLAYTON D. CARUS**, Associate Professor of Foreign Trade and Development of Latin America.
A.B., Leland Stanford Junior University, 1913; A.M., 1917. Instructor in Economics and Spanish, California Polytechnic School, 1914-16, 1917-19; Instructor in Economics and Political Science, State College of Washington, 1919-21; Associate Professor of Foreign Trade, University of Southern California since 1921.
- CLARENCE W. COOK**, Associate Professor of Civil Engineering
A.B., University of Southern California, 1911; B.S. in C. E., University of Southern California, 1911; A.M., 1913; Graduate work in Reinforced Concrete, University of Wisconsin, 1914. Associate Professor of Civil Engineering, University of Southern California, since 1911.

- HOWARD LESLIE LUNT**, Associate Professor of Education, A.B., Bowdoin College, 1885; A.M., 1893. Principal, Public and Private Schools, 1886-95; Student in Manual Training, Nass (Sweden), Leipsic, and Boston, 1895-96. Principal High School and Supervising Principal, Long Beach City Schools, 1896-99; Superintendent of City Schools, San Bernardino, 1899-1900; Superintendent of City Schools, Riverside, 1900-02; Teacher, High School, Los Angeles, 1902-03; Associate Professor of Education, University of Southern California, since 1910.
- CLARENCE E. RAINWATER**, Associate Professor of Sociology A.B., Drake University, 1907; A.M., 1908; Ph.D., University of Chicago, 1921. Director of Hamilton Park Community Center, Chicago, 1910-17; Instructor in Play and Recreation, University of Chicago, 1913-17; Dean and Professor of Social Science, American College of Physical Education, 1917-19; Associate Professor of Sociology, University of Southern California, since 1919.
- MARTIN JAMES STORMZAND**, Associate Professor of Education A.B., Alma College, 1904; B.D., Princeton Theological Seminary, 1908; Ph.D., School of Education, University of Chicago, 1920. Instructor in English and History in High School, Freeport, Ill., 1910-12, and at Davenport, Iowa, 1912-15; Head of Department of Education and Psychology, State Normal School, Platteville, Wis., 1915-17; Assistant in Education, University of Wisconsin, 1917-18; Instructor in Education, University of Illinois, 1919-20; Associate Professor of Education, University of Southern California, since 1920.
- CATHERINE V. BEERS** - Assistant Professor of Biology A.B., Northwestern University, 1914; A.M., 1915; student summer session, Marine Biological Laboratory, Friday Harbor, Washington, 1912; Wood's Hole, Mass., 1913; Cold Spring Harbor, L. I., 1914. Instructor in Science, Main Township High School, Des Plaines, Ill., 1915-16; Instructor in Biology, University of Southern California, 1916-17; Assistant Professor of Biology since 1917.
- ROBERT CALVERT** - Assistant Professor of Chemistry A.B., University of Oklahoma, 1909; S.M., University of Chicago, 1911; Ph.D. Columbia University 1914. Instructor in Chemistry, University of Oklahoma, 1909-10, 1911-12; Instructor in Chemistry, Columbia University, 1913-15; Research Chemist and Director of Research Laboratory for E. I. duPont de Nemours Company, 1915-21; Assistant Professor of Chemistry, University of Southern California, since 1921.
- LOREN T. CLARK** - Assistant Professor of Physics A.B., University of Southern California, 1918; Instructor in Mathematics and Physics, California College, Los Angeles, 1911-17; Instructor in Physics, University of Southern California, 1917-18; Assistant Professor of Physics since 1918.
- JOHN D. COOKE** - Assistant Professor of English A.B. Stanford University, 1914; A.M., 1915. Teaching Assistant in Greek, Leland Stanford Junior University, 1913-15; Acting Head Master, Boyland, Santa Barbara, California, 1915; Instructor in English, Kansas State Agricultural College, 1915-17; Instructor of Comparative and English Literature, University of Colorado, 1917-19; Assistant Professor of English, State College of Washington, 1919-20; Assistant Professor of English, University of Southern California, since 1920.
- ROBERT ALEXANDER CUMMINS**, Assistant Professor of Education and Principal of University High School. B.S., Illinois Wesleyan, 1909; A.M., University of Illinois, 1910; Ph.D., Teachers' College, Columbia University, 1918; Assistant in Biology, Illinois Wesleyan Univ., 1906-07; Assistant in Physics, 1907-08; Professor of Philosophy and Education and Head of Normal Department, Univ. of Puget Sound, 1910-13;

Professor of Theory and Practice, Tacoma Summer Normal, 1912; Assistant Professor of Psychology, Univ. of Washington, Summer Session, 1913; Instructor in Psychology, Univ. of Washington, 1913-14; Professor of Psychology and Education, Bowling Green, Ohio State Normal College, 1915-17; Head of Department of Education, Simpson College, Indianola, Iowa, 1918; Director of Education and Teacher Training and Principal of Training School, State Normal College, Louisiana, 1910-20; Assistant Professor of Education and Principal of University High School, University of California, since 1921.

DELLA TOTTON EARLY - Assistant Professor of History
A.B., University of Southern California, 1916; A.M., 1917.
Assistant Professor of History, since 1917.

JOHN EUGENE HARLEY, Assistant Professor of Political Science
A.B., University of Southern California, 1917; A.M., Harvard University, 1919; Carnegie Fellow in International Law, Harvard University, 1918-20; Instructor in Government, Lafayette College, 1920; Assistant Professor of Political Science, University of Southern California, since 1921.

JOHN HEDLEY - Assistant Professor of Oriental Studies
Student, Ranmoor College, Sheffield, England; missionary to China, 1897; Principal, Mission Preacher's Training Institution, 1909; Fellow Royal Geographical Society, 1905; Assistant Professor of Religious Education, University of Southern California, since 1921.

ERNEST J. LICKLEY - Lecturer in Sociology and Education
Graduate Jamaica State Normal School, New York; 1902; LL.B., University of Southern California, 1906; LL.M., 1909; A.B., 1915; A.M., 1917; J.D., 1918. Teacher, elementary and high schools, New York City, 1902-1903; Los Angeles elementary schools, 1903-04; Principal, Los Angeles elementary schools, 1904-06; Supervisor compulsory education, 1906-10; Supervisor evening schools, 1910-16; Director, compulsory education and child welfare, 1916-21; Lecturer, University of Southern California, since 1917; Assistant Superintendent, Los Angeles City Schools since 1921.

HARRY J. McLEAN, - Assistant Professor of Sociology
A.B., Leland Stanford Junior University, 1915; J.D., University of Southern California, 1917; Instructor, University of Southern California, 1916-18; Assistant Professor of Sociology since 1918.

EMERY E. OLSON, Assistant Professor of Economics and Assistant Director of College of Commerce.
A.B., University of Southern California, 1916; A.M., 1919; Instructor in Economics, University of Southern California, 1918-19; Assistant in Economics, University of Wisconsin, 1919-20; Assistant Professor of Economics, University of Southern California, 1920-21; Assistant Director of the College of Commerce and Business Administration and Assistant Professor of Economics, since 1921.

G. BROMLEY OXNAM, Assistant Professor of Religious Education
A.B., University of Southern California, 1913; S.T.B., Boston University School of Theology, 1915; Year of study in Japan, China and India. Assistant Professor of Religious Education, University of Southern California, since 1919.

JOSEPH H. SAINT-JEAN - Assistant Professor of French
Normal School, Paris, 1889; Dumfries, Scotland, 1892; Teaching of Languages and Mathematics, Cali College, Columbia, South America, 1898; Principal, French College, Mexico City, 1901; Instructor in secondary schools and University, Mexico City, 1905; Assistant Professor of French, University of Southern California, since 1919.

- J. FRANK SMITH - Assistant Professor of Chemistry B.S., Ohio Northern University, 1909; B.A., University of Michigan, 1915; M.A., State University of Iowa, 1920. Superintendent of City Schools, Honor, Mich., 1912-13; Professor of Chemistry, Central University, Oskaloosa, Iowa, 1915-17; Instructor in Chemistry, State University of Iowa, 1917-18; Superintendent of City Schools, Correctionville, Iowa, 1918-20; Assistant Professor of Chemistry, University of Southern California, since 1920.
- WILLIAM C. SMITH - Assistant Professor of Sociology A.B., Grand Island College (Nebraska), 1907; A.B., University of Chicago, 1912; Ph.D., 1920. Principal of High School, Maxwell, Neb., 1907-08; Teacher of Physics and Mathematics, Bethel Academy, St. Paul, Minn., 1908-10; educational work in British India under American Baptist Foreign Mission Society, 1912-15; teacher of History and Physics, Williams Union High School, Williams, Calif., 1916-17; Assistant Professor of Sociology, University of Southern California since 1920.
- D. VICTOR STEED - Assistant Professor of Mathematics A.B., University of Southern California, 1914; Ph.D., University of California 1921. Teacher of Mathematics, the Thatcher School for Boys, 1915-18; Teaching Fellow in Mathematics, University of California, 1918-19; Assistant in Mathematics, University of California, 1919-21; Assistant Professor of Mathematics, University of Southern California, since 1921.
- MELVIN J. VINCENT - Assistant Professor of Sociology A.B., University of Southern California, 1918; A.M., 1921; High School Instructor, Department of Public Instruction, Buffalo, 1910-17, 1919-20; Valuation Accountant, U. S. R. R. Administration, 1918-19; Instructor, University of Southern California, 1920-21; Assistant Professor of Sociology, since 1921.

ADVANTAGES OF LOCATION

Los Angeles is the metropolis of the Pacific Coast. Its population of more than 650,000 represents every state in the Union, and many foreign lands. Its importance as a political and metropolitan center gives the students of the University unusual opportunities for observation and investigation along many lines, both cultural and professional.

The climate throughout the year is such that tourists from every quarter come to spend a part of the year, and increasing numbers return each year to make this their permanent home.

Los Angeles is the greatest railroad center on the Pacific Coast. Four transcontinental lines are now complete. A network of electric roads connects the city with the numerous beaches, mountain resorts, and outlying cities and towns. These are reached by delightful journeys through orange groves and orchards of the semi-tropical fruits characteristic of this region.

It is known as the Convention City of the West. Each year brings large bodies of people here for the discussion of every kind of public interest known to science, politics, religion and the humanities. These great conventions afford the student an excellent opportunity to study the subjects of their discussion; and the resident population of the city is sufficiently

large to afford important advantages for the practical study of the entire group of social and industrial sciences.

The diverse viewpoints of the groups of students in the various colleges make their association an important cultural factor in their lives.

EXPOSITION PARK

The University campus is in close proximity to Exposition Park, containing 130 acres, in which more than \$1,500,000 have been recently expended in erecting and equipping buildings and beautifying the grounds. The State Building contains exhibits of the products, mineral and vegetable, of the various counties of the State. The Museum of History, Science and Art contains the valuable collections of The Historical Society of Southern California, the Academy of Sciences, the Cooper Ornithological Society, the Fine Arts League of Los Angeles, and numerous private collections. Because of their easy access, these collections afford special advantages to the students and faculties of the University.

Plans are now being completed greatly to increase the capacity of the Museum by means of extensive additions. A great Coliseum, costing \$800,000, with seating capacity of 75,000, is at present in process of construction.

The fifty-five acres of the park athletic grounds are available and afford ample facilities for all outdoor sports, making a valuable auxiliary to Bovard Field, with its stadium seating over 8000 persons.

LIBRARY FACILITIES

The Library of the College of Liberal Arts contains approximately 30,000 volumes, and includes a carefully selected list of current periodicals. On the recommendation of their major professors, graduate students may have free access to the book shelves.

The Los Angeles Public Library of more than 360,000 volumes is a most valuable supplement to the facilities offered by the University Library. It is particularly rich in certain special fields, such as western history and genealogy.

The new Huntington Library, at San Marino, stands unique as a great treasure house of source books of American history and English literature. This priceless collection will doubtless attract a constantly increasing number of scholars and students interested in special investigations and researches.

Special collections of books and research materials are also found in the Museum Building, at Exposition Park, and in the Southwest Museum at Garvanza. In addition, the resources of the University Library are constantly supplemented by an inter-library loan system with other universities of California.

THE GRADUATE SCHOOL

Historical Statement:

During the academic year 1910-11 the Graduate Department of the College of Liberal Arts was formally organized. General oversight of the Department was intrusted to the Graduate Council, which was appointed from the Faculty by the President of the University. The members of the Graduate Council for its first year were: James Harmon Hoose (Chairman), Rockwell D. Hunt (Secretary), Thomas B. Stowell, Edgar M. von Fingerlin, Gilbert E. Bailey, and James Main Dixon.

The Graduate Council has been enlarged from time to time; during the year 1920-21 it has comprised eighteen members, the administrative officers being Rockwell D. Hunt, (Dean) Chairman, and John H. Montgomery, (Registrar) Secretary.

In order more adequately to meet the increasing demands of qualified candidates and to provide enlarged opportunities for graduate study and scholarly investigation, the Board of Trustees of the University at its meeting held January 27, 1920, authorized the organization of the Graduate School of Arts and Sciences. At a meeting of the Board held February 24, 1920, Professor Rockwell D. Hunt, Chairman of the Graduate Council, was appointed Dean of the Graduate School and duly authorized to proceed with its further organization.

Purposes

The main purposes of the Graduate School of Arts and Sciences are as follows: (1) To give due prominence to graduate courses of instruction offered by the University; (2) to insure systematic and efficient administration of this advanced work; (3) to provide separate instruction and enlarged opportunities in advanced studies and research work for graduate students.

THE GRADUATE COUNCIL

The Graduate Council at present consists of the following members of the faculty:

Rufus B. Von Klein Smid, Sc.D., President of the University.
Rockwell D. Hunt, Ph.D., Chairman.

J. H. Montgomery, M.S., E.E., Secretary.

Herbert D. Austin, Ph.D.

Emory S. Bogardus, Ph.D.

James Main Dixon, L.H.D.

Ralph Tyler Flewelling, S.T.B., Ph.D.

Allison Gaw, Ph.D.

Clarence V. Gilliland, A.M., D.D.

John G. Hill, Ph.D.

Roy Malcom, Ph.D.

Arthur W. Nye, M.E.

Samuel Rittenhouse, Ph.D.

Lester B. Rogers, Ph.D.

Don Felipe M. De Setien, Lic. en S. and P.

Laird J. Stabler, Ph.C., Sc.D.

D. Victor Steed, Ph.D.

John W. Todd, Ph.D.

The Administrative Committee of the Graduate Council includes, in addition to the Chairman and Secretary, the following members: Emory S. Bogardus, Lester B. Rogers, and Samuel Rittenhouse. The Committee on Scholarship Standards consists of Rockwell D. Hunt, Chairman; Arthur W. Nye, Emory S. Bogardus, and James Main Dixon.

The more specific functions of the Graduate Council are: (1) to define conditions of admission to the Graduate School; (2) to provide courses of graduate instruction, and to pass judgment upon the graduate courses offered by the respective departments, no one of which courses shall become operative without the approval of the Council; (3) to pass upon the credentials of all candidates for graduate standing; (4) to establish and to maintain the requirements for all graduate degrees; (5) to recommend regulations for the effective organization and administration of the Graduate School.

ADMISSION TO THE GRADUATE SCHOOL

Admission to the Graduate School is granted to graduates of the College of Liberal Arts of this University, and to graduates of other colleges and scientific schools of recognized standing who present satisfactory evidence of character and qualifications. Other persons of suitable age and satisfactory attainment may be admitted to the advantages of the graduate courses only upon approval by the Council. Admission to the courses of the Graduate School does not in itself imply admission to candidacy for a graduate degree.

An undergraduate student who is within 24 units of the bachelor's degree may be permitted, with the approval of the Graduate Council and the major professor, to take graduate courses, provided that he be not carrying more than 12 units of undergraduate work. Such a student may register for only sufficient graduate work to bring the total number of units carried to 15. In all such cases a student should at the opening of the semester petition the Graduate Council for admission to the graduate courses he desires to take. If such a student afterwards matriculates for the degree of Master of Arts, the graduate courses previously taken by him are entered as "already completed," in his curriculum.

The steps required for admission to the Graduate School are: (1) consultation with the Dean of the Graduate School; (2) consultation with the head of the department in which the student desires to do his major work. At the time of

making application the student should present his credentials, including (1) his baccalaureate diploma; (2) certified transcripts from the records of institutions previously attended, listing all his preceding courses with their unit-values and the grades attained in each course. If the required documents are not immediately at hand at the time when the applicant seeks admission, registration of the student is merely tentative, pending their presentation.

DEPARTMENTS OF GRADUATE STUDY

The University at present offers graduate courses for graduate credit in the following departments: Biology, Botany, Chemistry, Economics, Education, Engineering (Civil, Electrical, and Applied Mathematics), English, French, Geology, German, Greek, History, Home Economics, Italian, Latin, Mathematics, Oriental Studies, Philosophy, Physical Education, Physics, Political Science, Psychology, Public Speaking, Religion, Sociology, Spanish, Zoology.

GRADUATE MAJORS

The following departments are at present offering major work for the master's degree:

Biology, Botany, Chemistry, Economics, Education, English, French, German, History, Home Economics, Latin, Mathematics, Oriental Studies, Philosophy, Physical Education, Physics, Political Science, Psychology, Religion, Sociology, Spanish, Zoology.

BIOLOGY

Zoology

- 103 Animal Ecology, two units.
- 104L Histology, 3 units.
- 105L Embryology, 3 units.
- 106L Comparative Anatomy of Vertebrates, 3 units.
- 107L Mammalian Anatomy, 3 units.
- 108L Economic Entomology, 3 units.
- 109L Parasitology, 3 units.
- 210L Special Zoology, 4 units.
- 211 Teachers' Course, 2 units.
- 212 Research, 4 units.

General Biology

- 100 History of Biology, 2 units.
- 103 Bionomics, 4 units.
- 207 Biological Survey.
- 208 Experimental Biology.
- 209 Research, 4 units.

BOTANY

- 101L Plant Physiology, 3 units.
- 102L Plant Processes, 3 units.

- 104L Economic Botany, 2 units.
- 105 Plant Propagation and Genetics, 2 units.
- 106 Teachers' Course, 2 units.
- 107 Plant Anatomy and Histology.
- 207 Cytology, 6 units.
- 208 Morphology of the Algae, 3 units.
- 209 Advanced Botany, 3 units.
- 210 Botanical Journal Club, 2 units.

CHEMISTRY

- 105L The Rarer Metals, 2 units.
- 106L Inorganic Preparations, 2 units.
- 107 Organic Chemistry, 4 units.
- 107L Organic Preparations, 4 units.
- 107L Organic Preparations, Advanced, an extension.
- 108L Mineral Analysis, 3 units.
- 109 Physical Chemistry, 4 units.
- 109L Physical Chemical Measurements, 2 units.
- 110L Quantitative Analysis of Agricultural Products, 3 units.
- units.
- 112L Food Analysis, 3 units.
- 113 Industrial Chemistry, 1 unit.
- 114 Assaying, 2 units.
- 115L Oil, Gas, and Fuel Analysis, one unit.
- 116L Industrial Problems, 4 units.
- 225 Seminar, 2 units.
- 226L Research, 8 units.
- 227 Teachers' Course, 1 unit.

ECONOMICS

- 101 Municipal Problems, 3 units.
- 102 Labor Problems, 3 units.
- 104 Corporation Finance, 3 units.
- 105 Railway Transportation, 2 units.
- 106 Ocean Transportation, 2 units.
- 107 Business Organization, 3 units.
- 108 Socialism, 2 units.
- 111 Agricultural Economics, 2 units.
- 112 Conservation of National Resources, 2 units.
- 113 Problems in Economic Adjustment, 3 units.
- 130b Advanced Statistics, 3 units.
- 133b Advanced Public Utilities, 2 units.
- 200 Seminar, 4 units.
- 201 History of Economic Thought, 4 units.
- 202 Recent Economic Theory, 4 units.

EDUCATION

- 102 Fundamentals in Education, 3 units.
- 105 History of Education, 4 units.
- 107 Citizenship and Education, 2 units.

- 112 Class Organization and Management in Secondary Schools, 2 units.
- 115 California School System, 2 units.
- 116 Educational Administration, 3 units.
- 117 City School Administration, 2 units.
- 118 Contemporary Problems in Education.
- 119 Current Literature in Education, 2 units.
- 120 Observation of Teaching, 3 units.
- 122 School Treatment of Individual Differences, 2 units.
- 127 Methods in Fundamental English, 2 units.
- 128 Educational Theory and Practice, 2 units.
- 132 Educational Psychology, 3 units.
- 133 Experimental Psychology, 4 units.
- 135 Psychology of High School Subjects, 2 units.
- 141 Principles of Social Education, 3 units.
- 143 Vocational Education, 2 units.
- 144 Educational and Vocational Guidance, 2 units.
- 151 Principles and Organization of Secondary Education, 3 units.
- 152 Administrative Problems in Secondary Education, 3 units.
- 153 Junior High School, 2 units.
- 201 Philosophy of Education, 2 units.
- 202 Philosophy of Education, continued, 2 units.
- 203 Sociological Foundations of Curricula, 2 units.
- 211 Statistical Methods, 2 units.
- 213 Educational Tests and Measurements, 3 units.
- 215 Seminar in Educational Administration, 4 units.
- 221 Supervision and Criticism of Instruction, 2 units.
- 223 Practice Teaching, 4 units.
- 251 Seminar in Secondary School Problems, 4 units.

CIVIL ENGINEERING

- 107 Analytical Mechanics, 5 units.
- 108 Strength of Materials, 5 units.
- 109 Hydraulics, 3 units.
- 117 Engineering Laboratory, 1 unit.
- 123 Advanced Engineering Design, 3 units.
- 218 Structural Engineering, 2 units.
- 221 Advanced Reinforced Concrete, 2 units.
- 224 Theory and Method of Least Squares, 2 units.

ELECTRICAL ENGINEERING

- 101a Electrical Circuits and Machinery I, 5 units.
- 101b Electrical Circuits and Machinery II, 3 units.
- 102a Electrical Laboratory, 2 units.
- 102b Electrical Laboratory, 2 units.
- 103 Electrical Machine Design I, 3 units.
- 104 Electrical Machine Design II, 3 units.
- 105 Electric Power Transmission, 2 units.
- 107 Transients, 3 units.

- 108 Electrical Measurements, 3 units.
- 109 Electric Railways, 2 units.
- 110 Telephones, 3 units.
- 111 Electrical Engineering Mathematics, 2 units.
- 112 Electrical Engineering of Power Plants, 2 units.
- 113 Theory of Electricity.

MECHANICAL ENGINEERING

- 101a Heat Power Engineering, 5 units.
- 101b Internal Combustion Engines, 3 units.
- 102a Mechanical Laboratory, 2 units.
- 102b Mechanical Laboratory, 2 units.
- 103 Thermodynamics, 3 units.
- 105 Advanced Machine Design, 3 units.
- 107 Valve Gears, 3 units.
- 108 Heating and Ventilation, 2 units.
- 109 Railway Mechanical Engineering, 1½ units.
- 110 Marine Engineering, 1½ units.
- 111 Refrigeration, 2 units.
- 112 Mechanical Engineering of Power Plants, 3 units.
- 113 Oil Engines.

ENGLISH

- 111 Introduction to English Philology, 4 units.
- 126 The Period of Chaucer, 2 units.
- 129 The Elizabethan Period (Non-Dramatic Literature) 3
units.
- 133 The Period of Milton, 3 units.
- 135 The Classical Period, 3 units.
- 137 The Romantic Period, 3 units.
- 140 The Victorian Period, 3 units.
- 143 Contemporary British and American Poets, 3 units.
- 145 American Literature, 3 units.
- 147f Poe nad Lanier, 2 units.
- 147g Thoreau and Whitman, 2 units.
- 151 Epic and Lyric Poetry, 3 units.
- 156 Shakespeare and the Elizabethan Drama, 6 units.
- 158 Modern Drama, 6 units.
- 180g Burns and the Scottish Vrenacular, 2 units.
- 182g Scott and the Scottish Vernacular, 2 units.
- 183f Tennyson as Lyricist, 2 units.
- 185g Kipling, See Oriental Studies, 113.
- 190fg Literary Criticism, 4 units.
- 191 Verse, 2 units.
- 224 Early Middle English Literature, 2 units.
- 246 Studies in American Literature, 4 units.
- 264 The History of the Novel, 4 units.
- 273 Arthurian Romance in English, 6 units.
- 291 The Theory of the Stanza, 4 units.
- 295 The High School English Curriculum, 2 units (not
or credit toward A.M.).

FRENCH

- 106 French Literature of the 17th Century, 6 units.
- 107 French Literature of the 18th Century, 6 units.
- 108 French Lyric Poetry of the Romantic School, 1 unit.
- 109 Advanced French Syntax and Composition, 4 units.
- 112 French History and Literature, 4 units.
- 121 Teachers' Course, 2 units.
- 124 French Phonetics, 4 units.
- 125 Dramatists of the 19th Century, 4 units.
- 221 French Seminar, Modern French Literature, 2 units.
- 222 French Literature of the Renaissance, 4 units.
- 223 French Drama of the 17th Century, 4 units.
- 225 Old French, 6 units.

GEOLOGY

- 110 Commercial Geology, 2 units.
- 116 Paleontology, 2 units.
- 117 Dynamical Geology, 2 units.

GERMAN

- 128 Nineteenth Century Readings, 3 units.
- 129 Goethe's Faust, 3 units.
- 130 Hauptmann, 2 units.
- 220 and 221, Graduate Courses, 2 units each.

GREEK

- 112 Advanced New Testament, 4 units.
- 114 New Testament Passage Analysis, 2 units.
- 115 Word Studies in the New Testament, 2 units.
- 216 Greek Poets, 3 units.

HISTORY

- 101 English History, 6 units.
- 105 Church History, 4 units.
- 108 Renaissance and Reformation, 3 units.
- 110 French Revolution, 3 units.
- 111 Europe since the Congress of Vienna.
- 114 English Constitutional History, 4 units.
- 115 English Economic and Social History, 3 units.
- 116 Pacific Slope History, 4 units.
- 117 Expansion of Europe since the 15th Century, 4 units.
- 119 Greek History, 3 units.
- 120 Roman History, 3 units.
- 121 World Preparation for Christianity, 2 units.
- 128 Ancient and Mediaeval Imperialism, 4 units.
- 130 Latin-American Colonies, 2 units.
- 131 Latin-American Republics, 2 units.
- 141 American Constitutional History, 3 units.
- 220 Teachers' Course, 2 units.
- 222 The History Seminar, 4 units.

HOME ECONOMICS

- 112 Preparation and Service of Food, 4 units.
- 114 Nutrition and Dietetics, 6 units.
- 190 Teachers' Course, 2 units.
- 191 Practice Teaching, 2 units.
- 192 Seminar in Nutrition.

ITALIAN

- 101 Dante, 4 units.

LATIN

- 111 Roman Elegiac Poetry, 2 units.
- 112 Juvenal and Martial, 2 units.
- 115 Advanced Latin Prose Composition, 2 units.
- 120 English Translations of Latin Classics, 2 units.
- 121 The Teaching of Latin, 2 units.
- 218 Cicero and Seneca, 2 units.
- 219 Prose Writers of the Empire, 2 units.
- 221 The Latin Seminar, 4 units.

MATHEMATICS

- 113 Synthetic Projective Geometry, 2 units.
- 115 Theory of Numbers, 2 units.
- 120 Differential Equations, 4 units.
- 210 Teachers' Course, 4 units.
- 212 Theory of Functions of a Complex Variable, 2 units.
- 216 Topics in Mathematics, 2 units.

**ORIENTAL STUDIES AND
COMPARATIVE LITERATURE**

- 100 Oriental Philosophies and Religions, 4 units.
- 101 The New Map of Asia, 2 units.
- 103 Chinese History and Civilization, 2 units.
- 104 The Political Development of Japan, 2 units.
- 105 The Political Institutions of China, 2 units.
- 110 Persian Literature and Persian Themes in English Literature, 2 units.
- 112 The Founding of British Rule in India, 2 units.
- 113 Kipling's Asia, 2 units.
- 121 Philippine Life and Literature, 1 unit.

PHILOSOPHY

- 101 History of Philosophy, 6 units.
- 102 Theory of Thought and Knowledge, 3 units.
- 103 Metaphysics, 3 units.
- 120 Theism and the Philosophy of Religion, 2 units.
- 150 Philosophical Movements in Literature, 4 units.
- 151 Contemporary Thought, 4 units.
- 160 Personalism, 2 units.

PHYSICAL EDUCATION

- 102 Social Recreation Methods, 2 units.
- 106 Applied Methods in Formal Activities, 2 units.
- 107 Applied Methods in Play Activities, 2 units.
- 109 Nature and Function of Play, 2 units.
- 111 Physiology of Exercise, 2 units.
- 112 Applied Anatomy and Kinesiology, 2 units.
- 115 Physical Examinations, 2 units.
- 116 Physical Diagnosis, 5 units.
- 160 Growth Divergencies, 2 units.

PHYSICS

- 107 L. Electrical Measurements, 2 units.
- 108 Physical Optics, 2 units.
- 109 L. Physical Optics Laboratory, 1 unit.
- 110 Sound, 2 units.
- 112 Photometry and Illumination, 3 units.
- 113 Photometry Laboratory, 1 unit.
- 114 Geometrical Optics, 3 units.
- 206 Teachers' Course, 2 units.
- 216 Advanced Electrical Theory, 2 units.
- 218 Ions, Electrons and Radiations, 3 units.
- 219 Ions, Laboratory, 1 unit.

POLITICAL SCIENCE

- 100 International Relations, 4 units.
- 101 Parties and Governments in Europe, 4 units.
- 115 Latin-American Government, 4 units.
- 200 American Government, 6 units.

PSYCHOLOGY

- 104 Applied Psychology, 2 units.
- 107 The Principles of Child Psychology, 3 units.
- 111 Genetic Psychology, 3 units.
- 116 Physiological Psychology, 2 units.
- 200 Psychological Seminar, 4 units.
- 205 The Psychology of Learning, 2 units.
- 206 The Theory of Psychological Tests and Measurements, 2 units.
- 207 An Empirical Study of Standard Psychological Tests, 2 units.
- 208 Psychological Research and Thesis, units to be arranged.

PUBLIC SPEAKING

- 101 Art of Interpretation, 4 units.
- 103 Advanced Public Speaking, 2 units.

RELIGIOUS EDUCATION

- 120 Principles of Old Testament Life and Thought, 2 units.
- 121 Israel's Social Institutions, 2 units.

- 122 Principles of New Testament Life and Thought, 2 units.
 123. Teaching of Jesus, 3 units.
 124 Social Application of Bible Principles, 2 units.
 127 Principles of Living World Religions, 3 units.
 128 Theism and the Philosophy of Religion, 2 units.
 129 Evolution of Social Ethics, 2 units.
 141 Principles and Program of Religious Education, 3 units.
 142 Principles of Teaching Religion, 3 units.
 144 Psychology of Religion, 3 units.
 151 Curriculum of Moral and Religious Education, 2 units.
 152 Content and Organization of Lesson Material, 2 units.
 153 Organization and Administration of Religions Education, 2 units.
 161 The Rural Church, 2 units.
 162 Field Work among Latin-Americans, 4 units.
 163 The Church and Industrial Problems, 2 units.
 168 Field Work—Urban Church Activities, 4 units.
 170 Field Work and Practice—Rural Church, 2 or 4 units.
 186 Expression in Spanish Language, 6 units.
 187 Basic Elements of Latin-American Civilization, 2 units.
 188 Pan-Americanism, 2 units.
 189 Latin-American Colonies, 2 units.
 190 Latin-American Republics, 2 units.
 240 Seminar, Direction of Religious Education, 4 units.
 241 Seminar, Problems of Religious Education, 4 units.
 280 Principles and Practice of Missionary Administration, 3 units.
 281 The Science of Survey Making and Program Building, 3 units.
 282 America's World Relations, 4 units.

SOCIOLOGY

- 100 Fundamentals of Sociology, 3 units.
 101 Fundamentals of Social Psychology, 3 units.
 103 Americanization and Immigration, 2 units.
 105 Prevention of Poverty, 3 units.
 110 Direction of Play and Recreation, 2 units.
 111 Administration of Play and Recreation, 2 units.
 113 Social Legislation, 2 units.
 114 Criminology, 2 units.
 115 Juvenile Delinquency, 2 units.
 116 Child Welfare, 2 units.
 117 The Social Survey, 3 units.
 119 Rural Sociology, 2 units.
 120 Community Organization, 3 units.
 121 Public Health, 2 units.
 134 Educational Sociology, 2 units.
 150 The Family as a Social Institution, 3 units.

- 155 Eugenics, 3 units.
 157 Social Origins, 3 units.
 158 Ethnology and Race Psychology, 3 units.
 170 The Sociological Content of Modern Fiction and Poetry, 2 units.
 171 The Sociological Content of Modern Drama, 2 units.
 200 History of Sociological Thought, 2 units.
 201 Contemporary Sociological Thought, 2 units.
 205 Sociology Teachers' Course, 1 unit.
 210 Sociology Journal Club, 2 units. .
 220 Seminar in Sociology, 4 units.
 225 Seminar in Social Psychology, 2 units.
 240 Graduate Field Work in Social Welfare, 4 units.
 280 Advanced Sociological Research.

SPANISH

- 117 Contemporary Lyric Poetry, 2 units.
 119 History of Spanish Art, 2 units.
 120 Spanish Syntax, 2 units.
 121 Teachers' Course, 2 units.
 122 History of Spanish Literature, 2 units.
 219 Old Spanish, 2 units.
 221 Seminar, 4 units.
 223 Castilian Phonetics, 2 units.

FEES AND EXPENSES

Tuition Fee, per semester, payable in advance.....	\$105.00
(Five dollars of the above is registration fee and is not refundable. Special rates will be made for students registering for less than 10 units.)	
Late Registration Fee.....	2.00
(This fee is a regular charge if registration card is not stamped at the Office of the Treasurer and and Comptroller before the first day of instruction)	
Diploma Fee, payable 30 days before graduation.....	10.00
For statement of laboratory fees, see Bulletin of the College of Liberal Arts.	

Schedule of Discounts—

(These discounts refer to the tuition fee only and are granted on application. Only one discount may be applied in any case. Discounts apply only to courses consisting of more than 2 units of work)

To sons and daughters of ministers in the regular work of any evangelical denomination.....	50%
To public school teachers in active work.....	10%

Graduate students who have received their Bachelor's degree from the University of Southern California will receive liberal cash discount upon application at the office of the Treasurer and Comptroller.

There are reciprocal arrangements between several of the Colleges of the University so that students paying for full work in one of the Colleges may take up certain work in another without additional charge; extension courses are not included. Further information may be obtained from the Office of the Treasurer and Comptroller.

The University reserves the right to change any of the above rates without notice.

Board and furnished rooms can be secured in private families at reasonable rates. Other expenses incident to college life vary with the habits and circumstances of the students. They are not of necessity so great as to be burdensome to persons in moderate circumstances.

THE GRADUATE ATTITUDE

The graduate attitude is the psychological index of the development of the student into the scholar. The undergraduate student is chiefly acquisitive and receptive; the graduate steps out, first toward becoming a master of arts, and finally discoverer, creator, leader among students and masters.

The graduate student must become acquainted with the authorities in his domain and with their opinions and findings; through self-reliance and expanding powers of initiative he must show his right to a place among leaders. The set task, the student apparatus of the beginner, any mere schedule based upon the calendar, will not of themselves bring him to the desired position of independence as a master or scholar. The attitude of the graduate, which it is the function of the Graduate School to encourage and foster, is one of increasingly independent effort, whereby the candidate reinforces his claim, by worth and by labor, to the fuller recognition of the university and in the goodly company of scholars.

THE DEGREE OF MASTER OF ARTS

The attainment of the degree of Master of Arts (A. M.) depends upon the completion of a well-rounded and carefully organized undergraduate and graduate course, at the end of which the candidate shall offer proof of high and sound intellectual attainment in his major subject, together with maturity of thought and some breadth of view. Under no circumstances will the degree be conferred until the candidate has completed, beyond this University's requirements for the Bachelor's degree, twenty-four units of graduate work, inclusive of the thesis; but the mere satisfaction of any time or course-unit requirement, taken by itself, confers upon the candidate no right to the degree, his achievement of it depending mainly upon his natural abilities and his stage of scholarly advancement. Graduate courses taken at other

institutions are recognized, so far as they conform to the standards of this University, subject to the conditions of study "in residence," as hereafter prescribed.

Each candidate for the degree of Master of Arts must be registered in the Graduate School not later than the first Tuesday in October preceding his final A.M. examinations, and must pursue his course "in residence" for not less than one academic year. In this connection the term "in residence" is to be interpreted as meaning that the student is taking not less than four graduate units per semester, with the proviso that, as a rule, at least twelve of the units credited toward the attainment of the degree must be pursued at this University. For "residence" two summer sessions may be counted as equivalent to one semester as the maximum.

The candidate who has not previously done graduate work in this University will begin his registration by applying for admission to the Graduate School by the method above indicated. He will then state the course of study which he wishes to pursue, which course must consist of a principal or "major" subject closely related to the major subject of his undergraduate course, and one or two subordinate or "minor" subjects satisfactorily related to the major subject, and requiring not more than one-half the time given to it.*

The details of his course in this University will be determined upon consultation with the head of the department in which he wishes to major; and no subjects or units lacking the approval of the departmental head will be credited toward the degree.

A part of the course will consist of the completion of a thesis, or dissertation, embodying the results of an investigation on some subject in the major department. It is not the intention of the Graduate Council that this shall be a piece of highly recondite research such as would befit candidacy for the degree of Doctor of Philosophy; but it must be a serious, considerable, and printable piece of work demonstrating the writer's power of original thought, his thorough grasp of the subject matter involved, and his ability to present his material in a scholarly manner and style. The title of this thesis must be presented for approval by the Graduate Council not later than six months before the month in which the degree is sought.

Not later than one month after the approval of his thesis title, the candidate shall present to a special committee a

*After called to the fact that in connection with the College o Arts the word "minor" is used in three different senses. The undergraduate minor" consists of the prescribed minor work in any subject approved by the undergraduate major department. A "minor recommendation" for the High School Teacher's Certificate may be granted when the student receives his major recommendation, if he has satisfactorily completed at least six units of work in the minor subject above Sophomore grade. A "minor" for the degree of Master of Arts must consist wholly of work of graduate standard.

written report as to the scope, method of treatment, bibliography and proposed sources of information and special facilities in the University. This committee, consisting of the head of the department in which the thesis is to be written, and two other members of the Faculty, will have general supervision of the thesis throughout the entire course of its preparation. The completed thesis, conforming in detail to the printed regulations furnished by the University, shall be submitted to the Graduate Council for final acceptance six weeks before the conferring of the degree, and only on the unanimous recommendation of the special committee. In the case of those who are candidates for the conferring of the degree in June the final date shall be approximately the last of April.

THE HIGH SCHOOL TEACHER'S CREDENTIAL

Candidates for the University Recommendation for the California High School Teacher's Credential are also registered in the School of Education.

The law provides that the State Board of Education shall prescribe general rules under which county boards and city and county boards of education may grant regular certificates of high school grade. These rules, together with the requirements of the University of Southern California, under which recommendations for such certificates are made, are set forth in the special bulletin of the School of Education.

THE STUDENT'S SCHEDULE

Fourteen semester units of work for graduate credit constitute a full program for the graduate student. Those who are engaged in teaching, or in other regular activities, should limit themselves to programs of correspondingly fewer hours of course work. The maximum for graduate work during a summer session is six credit units. It is ordinarily not advisable for candidates who have had no teaching experience to attempt to complete requirements for the master's degree and the high school teacher's credential in a single academic year.

STUDENT ASSISTANTSHIP

Many departments require the service of competent graduate students as office or teaching assistants. The compensation for this work, varying according to amount and quality of service rendered, often makes it possible for deserving graduates to continue in the Graduate School as candidates for advanced degrees or the high school teacher's credential. Applications for student assistantships should be made to the department heads.

GRADUATE WORK IN THE SUMMER SESSION

Graduate students desiring to do a part of their work during the regular six-weeks Summer Session of the University will find a wide range of graduate courses suited to their purposes. Summer work is regularly accepted toward fulfilling the requirements for an advanced degree or for the teacher's credential. Each year the University invites a list of eminent educators to join the Summer Session Faculty in addition to many of the regular Faculty members. This affords excellent advantages, especially to teachers who are unable to attend classes during the academic year. Detailed announcements regarding the Summer Session for 1922 (July 1-August 12) may be found in the regular Summer Session Bulletin.

MASTERS' DEGREES CONFERRED SINCE 1910

1910

Master of Arts

Leslie F. Gay, Jr., (History).
 William Cyrus Hanawalt (Education).
 Mrs. Edward G. Kuster (Philosophy)
 Diana Bralrah McNeil (History).
 Leslie James Reed (History)
 Charles Holmes Scott (Psychology).
 Robert John Taylor (Sociology)
 Alice B. Thompson (English).

1911

Arthur H. Ayres (Chemistry).
 Chester Herbert Bowers (Zoology)
 Valentin Buehner (German).
 Ray Alden Carter (Zoology).
 Howard Brink Clark (Philosophy).
 Lyman Elmer Edwards (History).
 Myra Louise Grant (English).
 Tamotsu Kohno (Economics).
 Newton Mead Layne (English).
 Jeremiah Beverley Lillard (Education)
 Hugh Carey Willett (Mathematics).

1912

John Aubrey Allen (Economics).
 Marguerite Louise Bangs (English).
 Oliver Warren Best (History).
 Anita Brown (French).
 Charles S. Buffington (Chemistry).
 A. Harvey Collins (History).
 Helen Marvin Darsie (German).
 Shinichiro Hasegawa (Education).
 Alice Maude Hindson (French).
 Riichiro Hoashi (Philosophy).
 Mabel Hollway (Latin).
 Ruth Margaret Iliff (German-Sociology)
 Bertha Jacoby Kienle (German).
 John Emmanuel Kienle (Economics).
 Frank E. Otto (German).

Charles Leroy Parmenter (Biology).
 Frederick Romauld Schiller (French)
 Earle Vonard Weller (English).

1913

Myrtle Emily Biles (German).
 Clarence Westgate Cook (Applied Mathematics).
 Archa Malcolm Farlow (History).
 Nettie Maude Felt (Education).
 Don Sneath Ford (Philosophy).
 Lou H. Francis (English).
 Anna Hoadley Gilbert (Latin).
 Juzo Ishizaki (Philosophy).
 John Sheldon Malcom (History).
 Esther Michaelis (English).
 Nettie Belle Rice (English).
 James Giko Sakamoto (Economics).
 Freda M. Schlager (German).
 Imogene Burt Spaulding (History).
 Anna Lavina Trythall (Latin).

1914

Percy Spencer Barnhart (Biology).
 Alice A. Benson (English).
 Ralph Benton (Philosophy).
 George Winfield Blount (History).
 Walter Lloyd Dimmick (Botany).
 Arthur Lincoln Eaton (Spanish).
 Isabel Patterson Ewington (German)
 Coleman Clark Hartzler (Philosophy)
 Enoch A. Holtwick (History).
 Carl Sumner Kopf (Philosophy).
 Jessie Maude Lickel (History).
 William Wilson McEuen (Sociology)
 Annie L. Neill (Zoology).
 Leroy Nichols (History).
 Marjorie Oerter (English).
 Albert William Olmstead (Economic)
 Clyde Sheldon Shepard (Sociology).
 Arthur Clason Weatherhead (Applied Mathematics).

Master of Science

James Moore (Physics).

1915

Master of Arts

Win Perry Ashcraft (History).
 Beecher (Economics-Sociology).
 Alice Burnight (English).
 Edward Branson Couch (Biology).
 Elizabeth Davis (History-Spanish).
 Stevens Eccleston (Chemistry).
 Enzo A. Hampton (Chemistry).
 Eugene Montague Hughes (Chemistry).
 August Just (Chemistry).
 Martin Dwell Kneeland (French).
 William Ralph LaPorte (Philosophy).
 Thomas Marlow Lineweaver (Philosophy).
 McWhorter Livingston (History).
 Newcomb (Applied Mathematics).
 W. Noel Porter (History).
 Crockett Stephenson (English).
 Amelia Tritt (History).
 Hough Wheeler (Chemistry).

Master of Science

Franklin Dodge (Chemistry).
 Clay Franklin (Physics).

1916

Master of Arts

Aden (History).
 Hans Anderson (Physics).
 Frances Smith Best (History).
 George Bishop (Economics-Sociology).
 Champion (History).
 Agnes Cocks (Zoology).
 M. Cox (Zoology).
 erson Davis (Economics-Sociology).
 Lucinda Freeland (Latin).
 Talbott Goodwin (Chemistry).
 Ray Hepner (Zoology).
 Marietta Hicks (History).
 Kuhl (Latin).
 Eileen D. Loly (Latin).
 Albert Marti (History).
 Martin (German).
 Heck Marvin (Economics).
 Leonora Merrihew (Latin).
 Stanton Myrick (History).
 Suke Nakamura (Philosophy).
 M. Parkinson (French).
 Josephine Poggi (Economics-Sociology).
 Anna Read (Latin).
 Irene Rumsey (English).
 Catherine Baker Shea (Chemistry).
 Belle Smith (History).
 James Stonier (History).
 Frederick Torrance (Philosophy).
 LaFrance Wilde (English).
 Albert Wilkinson (German-Spanish).

Chiuzo Yashima (Philosophy).

Master of Science

David Beard Monroe (Physics).

1917

Grace Isabelle Ashmore (Chemistry).
 Esther Mae Berry (History).
 Attilio Albino Bissiri (Chemistry).
 Genevieve Bostwick (French).
 Sophie Margaret Burdorf (German).
 Ida Belle Davison (History).
 Della Totton Early (History).
 Joseph George LaSalle Davidson (Chemistry).
 Charles Leon Deaver (History).
 Alpha Christian Dutton (History).
 Theron Freese (Economics-Sociology).
 Isaac Vaughn Funderburgh (Sociology).
 Astrid Jenny Aurora Hansen (German).
 Flora Abbott Herring (Latin).
 Hattie Hoenshell (Chemistry).
 Elma Holloway (English).
 Caroline Maude Ingersoll (History).
 Bonnie Clyde Johnson (History).
 Alice Hannah Johnson (Botany).
 Ernest Edward Kessler (Zoology).
 Daniel Roy Lightner (Economics).
 Maryette Hawley Lum (German).
 George James McDonald (Education).
 John Knox McNeeley (Physics).
 Chan Ho Min (Education).
 Dora Ursula Noble (Botany-Zoology).
 Leland Lester Rebber (Chemistry).
 Wendell Phillips Read (History).
 Nelson Frederick Sanderson (Sociology-Economics).
 Katherine Cecil Schmidt (German).
 Grafton Pettis Tanquary (History).
 Eldon Webb Tice (Physiology).
 Welcome Agnes Tilroe (Latin).
 Burnell R. Tunison (Chemistry).
 Marion Melinda Vaughan (History).
 George Albert Vennink (Economics-Sociology).
 Anna Caro Woodbury (Spanish).

1918

Ellen Louise Andrews (History).
 Helen Corliss Babson (Sociology).
 Helen M. Batcheller (History).
 Mary Willard Blanchard (History).
 Arthur Clifton Brown (Education).
 Nicholas J. Brubaker (History).
 Sarah Elizabeth Bundy (Sociology).
 Harriet Kendall Burr (English).
 Fanchen Leota Campbell (Latin).
 Willis W. Clark (Economics-Sociology).
 Archie Roy Clifton (Economics-Sociology).
 Marguerite Knowlton Eyer (History).
 Lillian Estelle Fisher (History).
 Dorothy Margaret Gardiner (English).
 Newton Baxter Ghormley (Education).
 Elizabeth Hibbard (History).
 Minnie Almira Himrod (Religious Education).
 Emma Reynolds Hutchison (French).
 Cecilia Robertson Irvine (History).
 Rayel Bucyrus Jenkins (Physiology).

Ernest Jameson Lickley (Sociology).
 Maryette Goodwin Mackey (English).
 Torsten Alexis Magnuson (Economics).
 Edna Muriel Phillips (History).
 Juliet Rich Pierce (English).
 Olga Sarnighausen (History).
 Charles William Shumway (Religious Education).
 William Van Wyck (English).
 Sydnor Harrison Walker (Economics).
 Hazd Clare Wilkinson (Sociology).
 Leon Yakeley (History).

1919

Master of Arts

Frank Douglas Aid (Applied Mathematics).
 Agnes Mary Baird (Religious Education).
 Kenneth McLeod Bissell (French).
 William Fred Cereghino (Chemistry).
 Mabel Elizabeth Cook (History).
 Earl Dearmond Davis (Economics).
 J. Andrew Ewing (History).
 Hajima Fukuoka (Economics).
 Joy G. Goodsell (Physics).
 Paul John Goodwin (History).
 Harry Lawrence Hall (Chemistry).
 Andrew Oliver Henricks (Philosophy).
 Isabella Harrison Hilditch (History).
 Jennie Ruth Hinsdale (Economics).
 Tetsugai Jisoji (Philosophy).
 Wayne Early Jordan (Economics).
 Gladys May Kalliwoda (History).
 James Proctor Knott (History).
 Ora Augusta Lovejoy (History).
 Harry George Lucas (History).
 Esther Mary MacDonald (History).
 Frieda Marie Martens (Sociology).
 Isabel McEuen (History).
 Virgil McEuen (History).
 Floyd William Nease (Philosophy).
 Emery Evans Olson (Economics).
 Elsa Schroeder (French).
 Fred James Shields (Philosophy).
 Alice Ball Struthers (Sociology).
 Rosemary Elizabeth Tenneson (English).
 Walter Thompson Watson (Sociology).
 Merta White (History).
 Frances Ruth Wood (History).

Master of Science

Allan Ernest Sedgwick (Applied Mathematics).

1920

Master of Arts

Clara Maude Berryman (Education).
 Amelia Bissiri (Spanish).
 Stella Marie Boice (History).
 David Bridge (Sociology).
 Ralph F. Burnight (Sociology).
 Manuel John Cereghino (Chemistry).
 Bertha Cheek (Education).
 Hugh Cynn (Economics).
 James Austin Davis (Education).
 William Henry Feeler (History).

Bruce Allyn Findlay (Economics).
 Helen Frew (Applied Mathematics).
 Sarah Hazel Harrod (Applied Mathematics).
 Rowland Harvey (History).
 Clara C. Hatfield (History).
 Olive Putnam Kirschner (Sociology).
 Charles Leonard Knight (Religious Education).
 Carlyle Ferren MacIntyre (English).
 Basil William Miller (Religious Education).
 Frank Morse (Education).
 Reuel Olson (Economics).
 Percy E. Palmer (Chemistry).
 Edward Ashley Phillips (Economics).
 Ema Patterson (Spanish).
 Louis Archibald Reed (Zoology).
 Roy Edwin Schulz (Spanish).
 Francis Marion Smith (Sociology).
 Margaret Tappan (History).
 Earle Price Thompson (History).
 Julia Marie Vineyard (Education).
 Gustave Adolph Werner (Spanish).

1921

Master of Arts

August, 1920—

Margaret M. Campbell (Education).
 Frank J. Ryan (History).

June—

Daisy Morgan Austin (English).
 Edwin Fitton Bamford (Sociology).
 Roy Bose (Religious Education).
 Elvis Elroy Cochrane (History).
 Belle Cooper (Oriental Studies).
 Belford Myrtetus Cruse (Economics).
 Inez Dunham Douglass (Sociology).
 Shodo Hara (Oriental Studies).
 George Percy Hedley (Oriental Studies).
 Elizabeth O. Hughes (History).
 Franklin Green Huling (History).
 Mabel Clare Jackson (Sociology).
 Wilbur H. Long (Economics).
 Maria Lopez de Lowther (Spanish).
 Lillian Mc Invaine (Chemistry).
 Paul Elwood Mickey (History).
 Edward Charles Morgan (Education).
 Olympia May Mortley (History).
 Lillian Mary O'Connor (History).
 Morgan Samuel Odell (Religious Education).
 Dean Sawing Richmond (Education).
 Maude Forsythe Rudkin (Latin).
 Julia Egge Sims (History).
 Anna Marie Singer (Economics-Sociology).
 Melvin James Vincent (Sociology).
 Dorothy Lillis Walker (English).
 Corinne King Wright (English).

Master of Science

Alfred Cookman (Biology).
 Eric R. Wilson (Biology).
 Master of Science in Chemical Engineering
 U. Soe Thein (Chemistry).

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